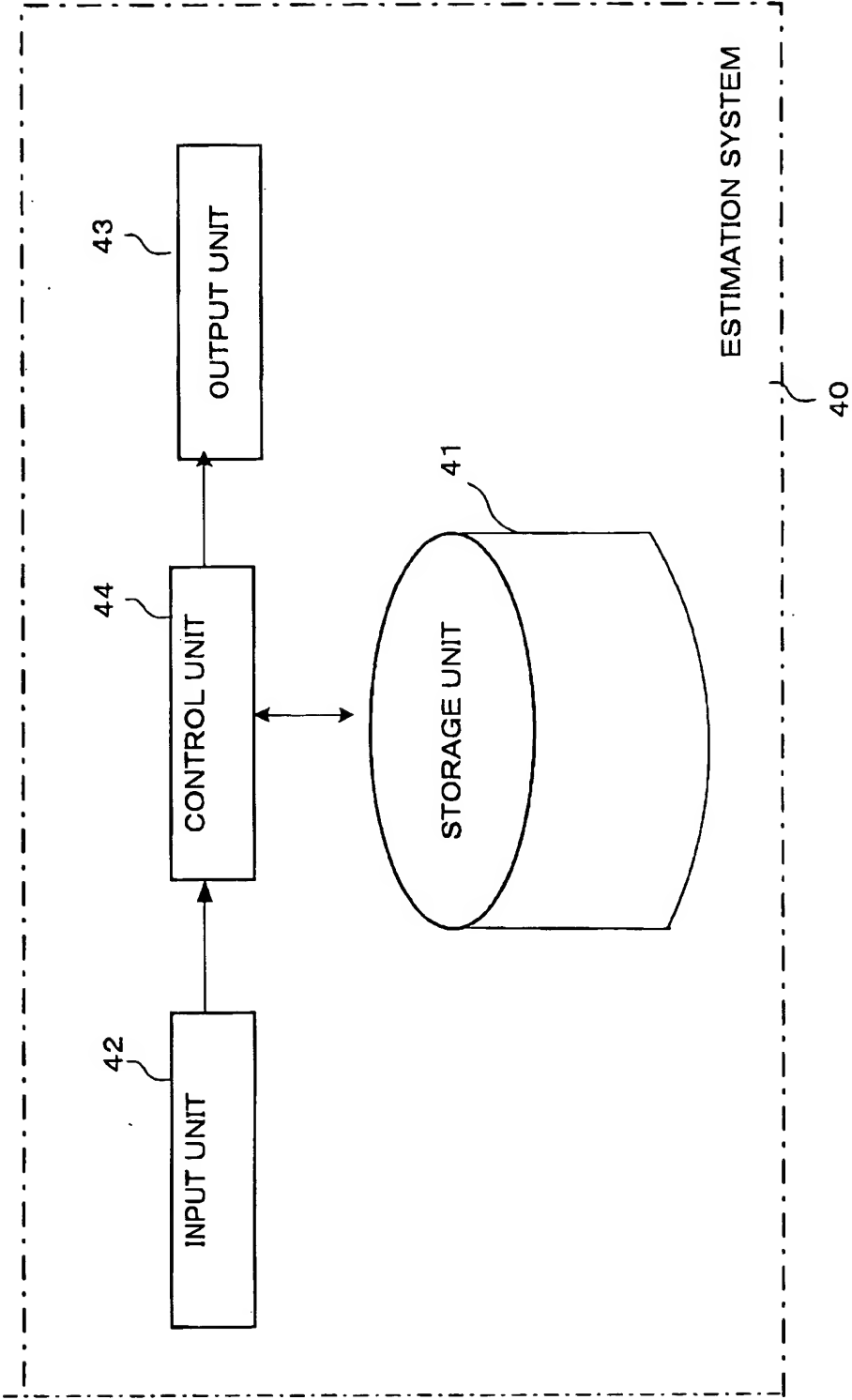


FIG. 1

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FIG. 2

SCREEN SHIFT

HANDLING COST  
CALCULATION OF  
COST TABLE  
DIRECT INPUT OF  
PRICE  
CALCULATING OF  
COST RATIO  
NONE

ESTIMATION RESULT LIST  
DISPLAY

TOTALIZATION/  
CONFIRMATION of INPUT ITEM  
SEARCH FOR UNIT PRICE OF  
HARNESS CHILD COMPONENT

HARNESS

COMPONENT NUMBER

SUFFIX

COMPONENT NAME

UNIT COMPONENT PRICE

COMPONENT COST

PROCESSING COST

OTHERS

DIRECT INPUT OF COMPONENT COST

MONTHLY LOT

COMPONENT CONSTITUTION INFORMATION

LEVEL	COMPONENT NUMBER	SFX	QUANTITY	UNIT PRICE	TOTAL PRICE	KIND	PROCESS STEP
1							
2							
3							
4						a7	
5							

COMPONENT INFORMATION ACQUIRING

UNIT PRICE INFORMATION ACQUIRING

PROCESS STEP INFORMATION EDITING

READING

REGISTERING

CALCULATING

a1

a2

a3

a4

a5

a6

a7

a8

a9

a10

a11

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FIG. 3

b1

COMPONENT NUMBER		SUFFIX		COMPONENT NAME		▲PRIOR COMPONENT	
PROCESSING INFORMATION		INSULATION-DISPLACEMENT-CRIMPING(IDC)		WIRING - PREPARATION WORKS/WIRING		▼NEXT COMPONENT	
CONNECTING (C.C.)				WIRING-RELATED WORKS		RETURN	
				CONTINUITY CHECK/		CANCEL	
				APPEARANCE CHECK		HELP	
PROCESS STEP		PARAMETER				PROCESS GUIDE	
SEMI-AUTOMATED I.D.C		NUMBER OF TIMES FOR IDC				< NAVIGATOR >	
		QT. OF WIRES					
		QT. OF CONNECTORS					
		NO. OF KINDS OF CONNECTORS					
FULLY-AUTOMATED I.D.C		WIRE'S LARGEST LENGTH		QT. OF POLES(PINS PER CN)			
		~200		2 3 4 5 6~7			
		201~500					
		501~1000					
MULTI		WIRE'S LARGEST LENGTH		11 OR MORE KIND (1 PER UNIT)		4~10 KIND (2 PER UNIT)	
		~200		2 3 4 . . .		2 3 4 . . .	
		201~500					
COPPER FOIL SHIELD		WIRE'S LARGEST LENGTH		QT. OF POLES(QT. OF PINS)			
		~200		2 3 4 5 6~7			
		201~500					

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FIG. 4

C.C
FULLY-AUTOMATED CUTTING
MANUAL C.C
SEPARATE TERMINAL C.C
CONTINUOUS TERMINAL C.C
FULLY AUTOMATED -DUAL TERMINAL C.C
TERMINAL INSERTING
IDC
SAIDC
FADTIDC(MULTI)
FADTIDC(SIMPLE)
FADTIDC(COPPER FOIL SHIELD)
WIRING -PREPARATION WORKS/WIRING
SOLDERING
INSULATION SLEEVE INSERTION
WIRE MARK ADHERING
SINGLE CN INSERTION INTO HOUSING
WIRING
WIRING-RELATED WORKS CONTINUITY CHECK/APPEARANCE CHECK
TERMINAL INSERTION INTO WIRES
BIND BUNDLING
TUBE ATTACHING
THERMAL CONTRACTION TUBE ATTACHING
SPIRAL LAP BUNDLING
RELAY CONNECTOR ATTACHING
SERGE KILLER ATTACHING
CIRCLE CORE ATTACHING
BRACKET ATTACHING
CONTINUITY CHECK
APPEARANCE CHECK

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FIG. 5

b1

COMPONENT NUMBER		SUFFIX		COMPONENT NAME		PRIOR COMPONENT	
PROCESS INFORMATION						NEXT COMPONENT	
CRIMP-CONNECTING (C.C)	INSULATION-DISPLACEMENT-CRIMPING(IDC)	WIRING - PREPARATION WORKS/WIRING		WIRING-RELATED WORKS CONTINUITY CHECK/APPEARANCE CHECK			
	PARAMETER						
	NUMBER OF KIND OF WIRE LENGTH						
FULLY-AUTOMATED CUTTING	WIRE LENGTH	QT.OF VINYL COVERED WIRES		QT.OF OTHER TYPE OF WIRES			
	~600						
	501~900						
MANUAL C.C (CLOSED TERMINAL) SEPARATE	QT. OF WIRE FOR C.C	NO. OF POINTS	NO. OF WIRE FOR C.C	NO. OF POINTS	QT. OF WIRE FOR C.C	NO. OF POINTS	
	1	2	3	3			
TERMINAL C.C	NO. OF KIND OF TERMINAL	QT. OF WIRE FOR C.C		NO. OF POINTS	NO. OF WIRE FOR C.C	NO. OF POINTS	
	1	2	3	3			
CONTINUOUS TERMINAL C.C	NO. OF KIND OF TERMINAL	QT. OF WIRE FOR C.C		NO. OF POINTS	NO. OF WIRE FOR C.C	NO. OF POINTS	
	1	2	3	3			
FULLY-AUTOMATED DUAL TERMINAL C.C	NUMBER OF KIND OF WIRE LENGTH	WIRE LENGTH		QT. OF WIRE	QT. OF WIRE	QT. OF WIRE	
	~500	501~1000					
TERMINAL INSERTING	QT. OF CONNECTOR		QT. OF TERMINAL				

FIG. 6

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b1

COMPONENT NUMBER <input type="text"/>		SUFFIX <input type="text"/>		COMPONENT NAME <input type="text"/>		<input type="button" value="▲PRIOR COMPONENT"/> <input type="button" value="▼NEXT COMPONENT"/> <input type="button" value="RETURN"/> <input type="button" value="CANCEL"/> <input type="button" value="HELP"/> <input type="button" value="PROCESS GUIDE"/> <input type="button" value="NAVIGATOR &gt;"/>	
<PROCESS INFORMATION> CRIMP-CONNECTING (C.C.)		INSULATION-DISPLACEMENT-CRIMPING(IDC)		WIRING - PREPARATION WORKS/WIRING		WIRING-RELATED WORKS CONTINUITY CHECK/ APPEARANCE CHECK	
PROCESS STEP		PARAMETER		KIND		QT. OF WIRES QT. OF COMPONENT	
WIRING - PREPARATION WORKS		SOLDERING		INLET FUSE			
				MICRO SW CN			
				NO. OF POINTS			
WIREMARK ADHEERING		QT. OF WIRES		QT. OF POINTS			
		1					
		2 OR MORE					
SINGLE CN INSERTION INTO HOUSING		QT. OF HOUSING					
WIRING		WIRE'S LARGEST LENGTH		QT. OF CONNECTOR		QT. OF TERMINALS	
		~500		S			
		501~					
TERMINAL KIND		CLOSED <input type="checkbox"/>		CIRCLE <input type="checkbox"/>		RESIN COVER <input type="checkbox"/>	
						FASTON <input type="checkbox"/>	

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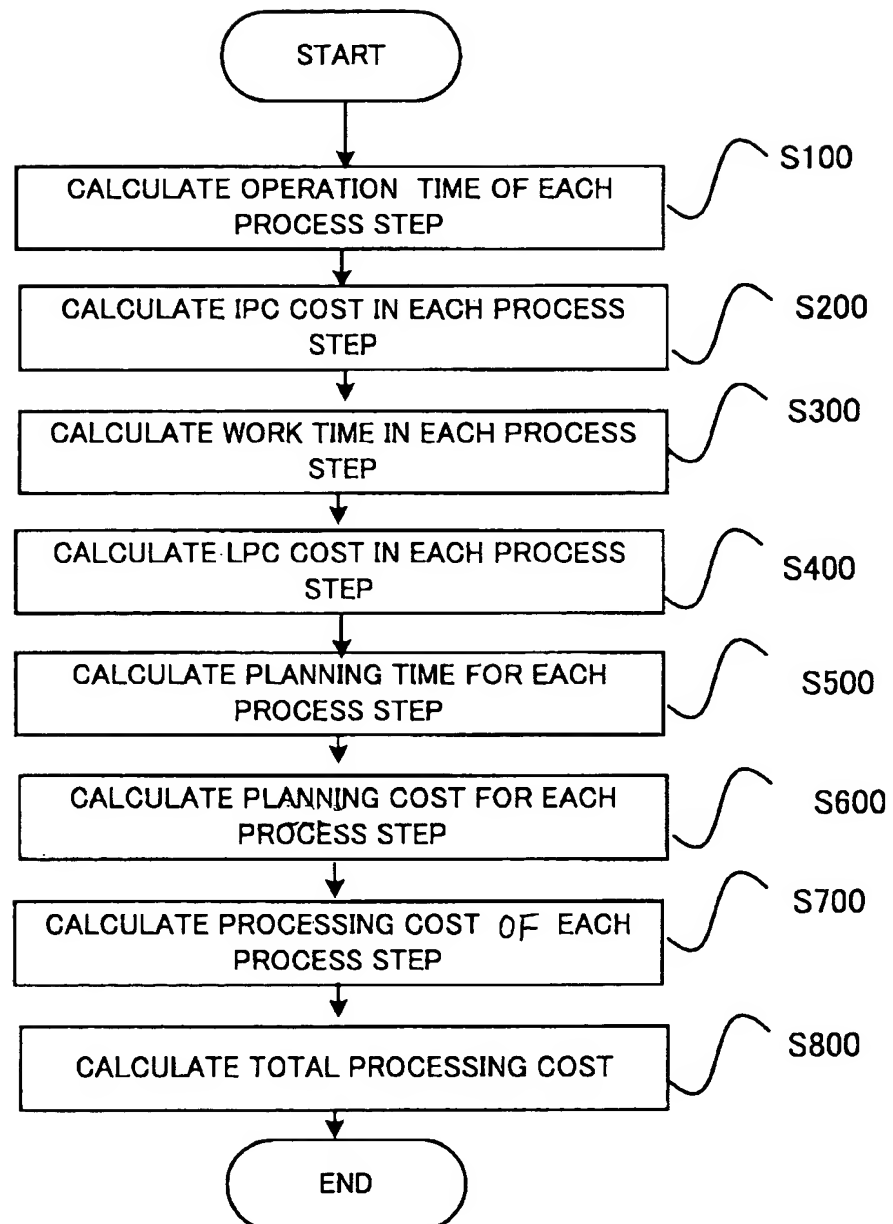
FIG. 7

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COMPONENT NUMBER	[ ]	SUFFIX	[ ]	COMPONENT NAME	[ ]	
<div style="display: flex; justify-content: space-between;"> <span>▶ PROCESS INFORMATION &gt;</span> <span>◀ NAVIGATOR &gt;</span> </div>						
CRIMP-CONNECTING (C.C.)	INSULATION-DISPLACEMENT-CRIMPING(JDC)	WIRING - PREPARATION WORKS/WIRING	WIRING-RELATED WORKS			
			CONTINUITY CHECK/			
			APPEARANCE CHECK			
<div style="display: flex; justify-content: space-between;"> <span>▶ PRIOR COMPONENT</span> <span>◀ NEXT COMPONENT</span> </div>						
<div style="display: flex; justify-content: space-between;"> <span>RETURN</span> <span>CANCEL</span> <span>HELP</span> <span>PROCESS GUIDE</span> </div>						
<div style="display: flex; justify-content: space-between;"> <span>PROCESS STEP</span> <span>PARAMETER</span> </div>						
WIRING-RELATED WORKS	TERMINAL INSERTION	QT.OF TERMINALS				
	INTO WIRES					
	BIND BUNDLING	KIND	QT.OF POINTS			
		CLOSED TERMINAL CORE CROSS				
		OTHERS(GENERAL)				
	TAPING BUNDLING					
		WIRES	LENGTH	BRANCHES	TERMINALS	TAPING
		~3				
		4~11				
		11~				
TUBE ATTACHING	TUBE LENGTH		QT.OF POINTS			
OTHER CONTRACTION	KIND	TUBE LENGTH	QT.OF POINTS			
TUBE ATTACHING	SILICON					
	OTHERS					
SPIRAL LAP	WIRE LENGTH		BRANCHES/POINTS	/		
RELAY CN.	QT.OF POINTS		SURGE KILLER	QT.OF POINTS		
ATTACHING			ATTACHING			
CIRCLE CORE	CORES	WIRES	WINDINGS	SPLIT CORE	CORES	
ATTACHING			ATTACHING			
BRACKET	QT.OF BRACKETS		QT.OF SCREWS			
ATTACHING						
CONTINUITY/APPEARANCE CHECK	QT.OF CN		QT.OF TERMINALS			

FIG. 8

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F I G. 9

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	QT. OF POLES(PINS ON CHILD SIDE)				
	2	3	4	5~7	8~15
~200	• • •	• • •	• • •	• • •	• • •
201~500	• • •	• • •	• • •	• • •	• • •
501~1000	• • •	• • •	• • •	• • •	• • •
1001~	• • •	• • •	• • •	• • •	• • •

FIG. 10

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		L				
			200	500	1000	1001
P C						
11 POLES OR MORE	1 PER UNIT	2	...	...	...	...
		3	...	...	...	...
		4	...	...	...	...
		5	...	...	...	...
		6	...	...	...	...
		7	...	...	...	...
4~10 POLES	2 PER UNIT	2	...	...	...	...
		3	...	...	...	...
		4	...	...	...	...

L: WIRE'S LARGEST LENGTH

P: QUANTITY OF CONNECTORS ON PARENT SIDE

C: QUANTITY OF CONNECTORS ON CHILD SIDE

FIG. 11

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	QT. OF POLES(PINS ON CHILD SIDE)					
	2	3	4	6~7	8~10	11~15
~200	• • •	• • •	• • •	• • •	• • •	• • •
201~500	• • •	• • •	• • •	• • •	• • •	• • •
501~1000	• • •	• • •	• • •	• • •	• • •	• • •
1001~	• • •	• • •	• • •	• • •	• • •	• • •

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F I G. 1 2

WIRE LENGTH	OPERATION TIME ESTIMATION FUNCTION	
	VINYL-COVERED	OTHERS
~600	OPERATION TIME =0.9*WIRES	OPERATION TIME =1.1*WIRES
601~900	• • •	• • •
901~1200	• • •	• • •
1201~1500	• • •	• • •
1501~1800	• • •	• • •
1801~2000	• • •	• • •
2101~2400	• • •	• • •
2401~3000	• • •	• • •

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FIG. 13

QUANTITY OF WIRES FOR CC	OPERATION TIME ESTIMATION FUNCTION
1	OPERATION TIME = $1.4 + 8.1 \times \text{NO. OF POINTS FOR CC}$
2	• • •
3	• • •
4	• • •
5	• • •
6	• • •
7	• • •
8	• • •
9	• • •

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FIG. 14

QUANTITY OF WIRES FOR CC	OPERATION TIME ESTIMATION FUNCTION
1	OPERATION TIME = $4.4 \times \text{NO. OF POINTS FOR CC}$
2	• • •
3	• • •

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FIG. 15

QUANTITY OF WIRES FOR CC	OPERATION TIME ESTIMATION FUNCTION
1	OPERATION TIME = $1.2 \times \text{NO. OF POINTS FOR CC}$
2	• • •
3	• • •

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FIG. 16

WIRE LENGTH	OPERATION TIME ESTIMATION FUNCTION
~600	OPERATION TIME = $1.2 \times Q_T$ OF WIRES
601 ~ 900	• • •
901 ~ 1200	• • •
1201 ~ 1500	• • •
1501 ~ 1800	• • •
1801 ~ 2000	• • •
2101 ~ 2400	• • •
2401 ~ 3000	• • •



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FIG. 17

KIND	OPERATION TIME ESTIMATION FUNCTION
INLET,FUSE HOLDER	OPERATION TIME =14.6*Q.T.OF WIRES+5.4*Q.T.OF COMPONENTS
MICRO SW ,CONNECTOR	• • • •

FIG. 18

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QUANTITY OF WIRES	OPERATION TIME ESTIMATION FUNCTION
1	OPERATION TIME = 3.2 * NO. OF POINTS WIREMARK ADHERING
2 OR MORE	° ° ° °

FIG. 19

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WIRE'S LARGEST LENGTH	OPERATION TIME ESTIMATION FUNCTION
~500	OPERATION TIME =0.7+1.0*NO.OF CONNECTORS+QT.TERMINALS
501~	• • •

FIG. 20

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KIND	OPERATION TIME ESTIMATION FUNCTION
80,100,150	OPERATION TIME = 3.2 * NO.OF POINTS FOR BIND
CLOSED TERMINAL, CORE CROSS FIXING	• • •

F I G. 2 1

2 1 / 3 8

QUANTITY OF WIRES	OPERATION TIME ESTIMATION FUNCTION
3 OR LESS	OPERATION TIME = $2.9 \times \text{NO. OF POINTS FOR TAPING}$ $+ 0.043 \times \text{TAPING LENGTH} + 21 \times (\text{NUMBER OF BRACHES} + \text{QT. OF CLOSED TERMINAL})$
4 TO 10	• • • •
11 OR LESS	• • • •

FIG. 22

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TUBE KIND	OPERATION TIME ESTIMATION FUNCTION
SILICON TUBE	OPERATION TIME = $5.4 * \text{NO. OF POINTS FOR TUBE ATTACHING}$ $+ 0.1 * \text{TUBE LENGTH}$
OTHERS	OPERATION TIME = $5.4 * \text{NO. OF POINTS FOR ATTACHING}$ OTHERS THAN TUBE $+ 0.1 * \text{LENGTH OF OTHERS THAN TUBE}$

FIG. 23

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PROCESS STEP	TIME FACTOR
FULLY-AUTOMATED DUAL TERMINAL C.C	1.12
CONTINUOUS TERMINAL C.C	1.16
SEPARATE TERMINAL C.C	...
FULLY-AUTOMATED DUAL TERMINAL IDC(MULTI)	...
FULLY-AUTOMATED DUAL TERMINAL IDC(COPPER FOIL SHIELD)	...
FULLY-AUTOMATED DUAL TERMINAL IDC(SIMPLE)	...
SEMI-AUTOMATED IDC	...
FULLY-AUTOMATED CUTTING	...

F I G. 24

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	IPC COST RATIO (YEN/Hr)	LPC COST RATIO (YEN/Hr)	TOTAL (YEN/Hr)	IPC COST RATIO (YEN/ sec)	LPC COST RATIO (YEN/ sec)	TOTAL (YEN/ sec)
FULLY-AUTOMATED CUTTING						
MANUAL C.C						
SEPARATED TERMINAL C.C						
CONTINUOUS TERMINAL C.C						
FULLY AUTOMATED -DUAL TERMINAL C.C						
TERMINAL INSERTING						
SAIDC						
FADTDC(MULTI)						
FADTDC(SIMPLE)						
FADTDC(COPPER FOIL SHIELD)						
SOLDERING						
INSULATION SLEEVE INSERTION						
WIRE MARK ADHERING						
SINGLE ON INSERTION INTO HOUSING						
WIRING						
TERMINAL INSERTION INTO WIRES						
BIND BUNDLING						
TUBE ATTACHING						
THERMAL CONTRACTION TUBE ATTACHING						
SPIRAL LAP BUNDLING						
RELAY CONNECTOR ATTACHING						
SERGE KILLER ATTACHING						
CIRCLE CORE ATTACHING						
BRACKET ATTACHING						
CONTINUITY CHECK						
APPEARANCE CHECK						



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FIG. 25

HARNESS ESTIMATED COST LIST				
COMPONENT NUMBER	SUFFIX	ADDITIONAL ASSESSMENT NUMBER	PRODUCTION BASE	OBJECTIVE
COMPONENT NAME		WORKING LOT/MONTH		
UNIT COMPONENT COST				
MATERIAL COST				
PROCESSING COST				
MATERIAL LOSS COST		=MATERIAL COST	*MATERIAL LOSS COST RATIO	
MATERIAL MANAGEMENT COST		=MATERIAL COST	*MATERIAL MANAGEMENT COST RATIO	
GENERAL MANAGEMENT COST		=PROCESSING COST	*GENERAL MANAGEMENT COST RATIO	
PROFIT MARGIN		=(PROCESSING COST + GENERAL MANAGEMENT COST)	+ MATERIAL MANAGEMENT COST	
TRANSPORTATION/MATERIAL HANDLING COST		=TRANSPORTATION COST	*PROFIT MARGIN RATIO	
		+ SHEET/BAG COST	+ MATERIAL HANDLING COST	
		+ DIVIDER COST	+ WRAPPING COST	

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FIG. 26

[illegible]

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FIG. 27

COMPONENT NUMBER	[ ]	SUFIFX	[ ]	COMPONENT NAME	[ ]	<div>OK</div> <div>CANSEL</div>
<div>IDC</div> <div>C.C</div>						
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><div style="text-align: center;">SIMPLE</div><div style="text-align: center;">WIRE LENGTH [ ]</div><div><input type="checkbox"/> COPPER FOIL SHIELD WIRE</div><div><input type="checkbox"/> QT.OF.UNUSED PINS IN ONE CONNECTOR IS HALF OR MORE OF TOTAL QUANTITY OF PINS</div></div> <div style="border: 1px solid black; padding: 5px;"><div><div>MULTI</div><div style="text-align: center;">THERE ARE TWO OR MORE <input type="checkbox"/> CONTINUOUS UNUSED PINS IN PARENT CONNECTOR</div></div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div><div style="margin-top: 5px;">WIRE LENGTH [ ]</div></div>					<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">REFERENCE DIAGRAM 1 INSULATION DISPLACEMENT CRIMPING(SIMPLE) <div style="border: 1px solid black; height: 40px; margin-top: 10px; text-align: center;">IMAGE</div></div> <div style="border: 1px solid black; padding: 5px;">REFERENCE DIAGRAM 2 INSULATION DISPLACEMENT CRIMPING(MULTI) <div style="border: 1px solid black; height: 40px; margin-top: 10px; text-align: center;">IMAGE</div></div>	

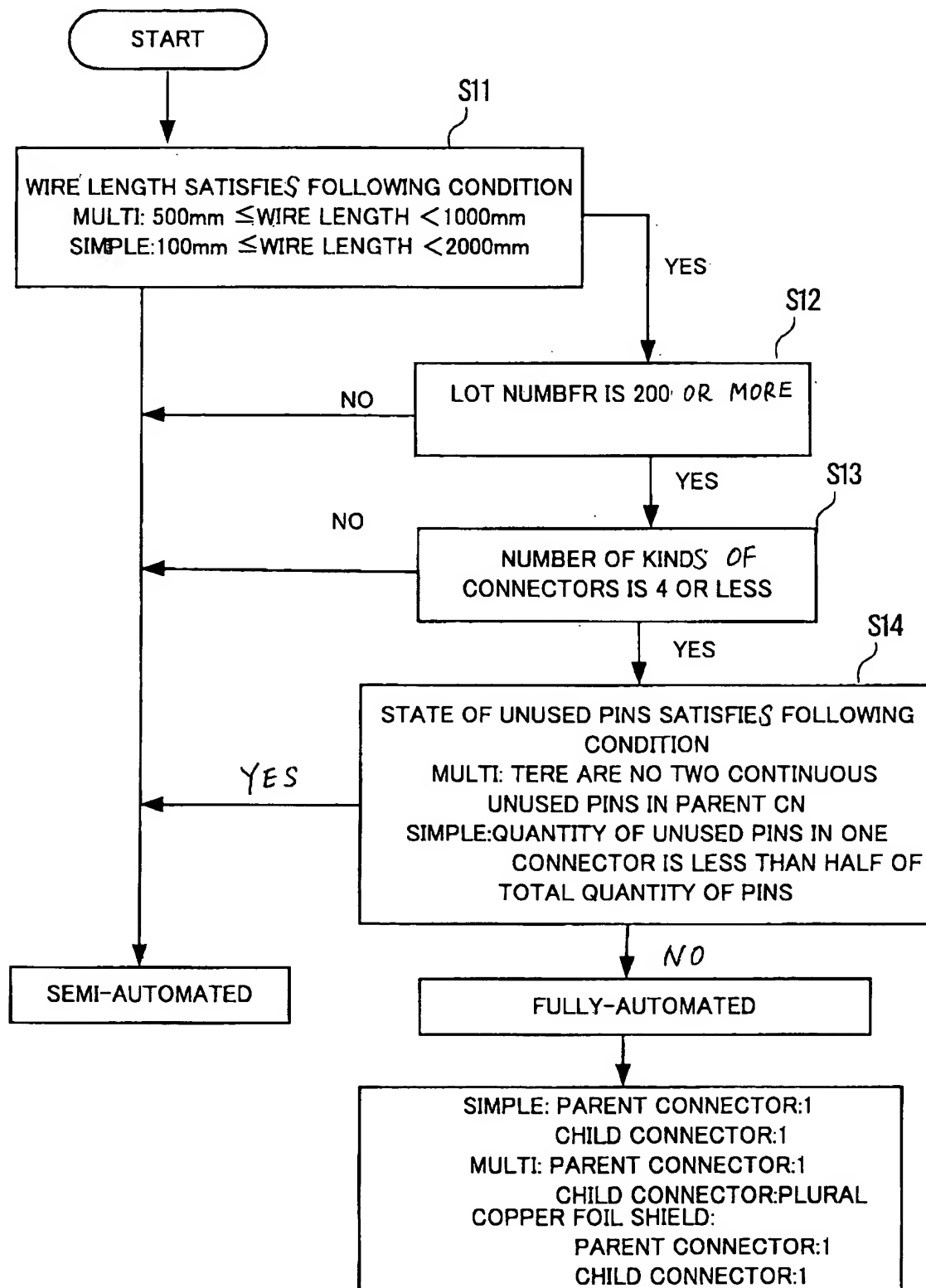
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FIG. 28

COMPONENT NUMBER	[ ]	SUFFIX	[ ]	COMPONENT NAME	[ ]	<div>OK</div> <div>CANCEL</div>
<div style="display: inline-block; width: 45%; text-align: center;">IDC</div> <div style="display: inline-block; width: 45%; text-align: center;">C.C</div>						
<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		<div>WIRE LENGTH</div> <div>[ ]</div> <div><input type="checkbox"/> WIRE MATERIAL IS SILICON, GLASS, OR TEFLON</div>		<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input checked="" type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		
<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		<div>WIRE LENGTH</div> <div>[ ]</div> <div><input type="checkbox"/> WIRE MATERIAL IS SILICON, GLASS, OR TEFLON</div>		<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		
<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		<div>WIRE LENGTH</div> <div>[ ]</div> <div><input type="checkbox"/> WIRE MATERIAL IS SILICON, GLASS, OR TEFLON</div>		<div><input type="checkbox"/> CLOSED TERMINAL INCLUDED</div> <div><input type="checkbox"/> RESIN-COVERED CIRCLE TERMINAL INCLUDED</div> <div><input type="checkbox"/> MICRO SW, INLET, OR FUSE HOLDER INCLUDED</div> <div><input type="checkbox"/> FIRST-IN SLEEVE INCLUDED</div>		
•				•		
•				•		
•				•		

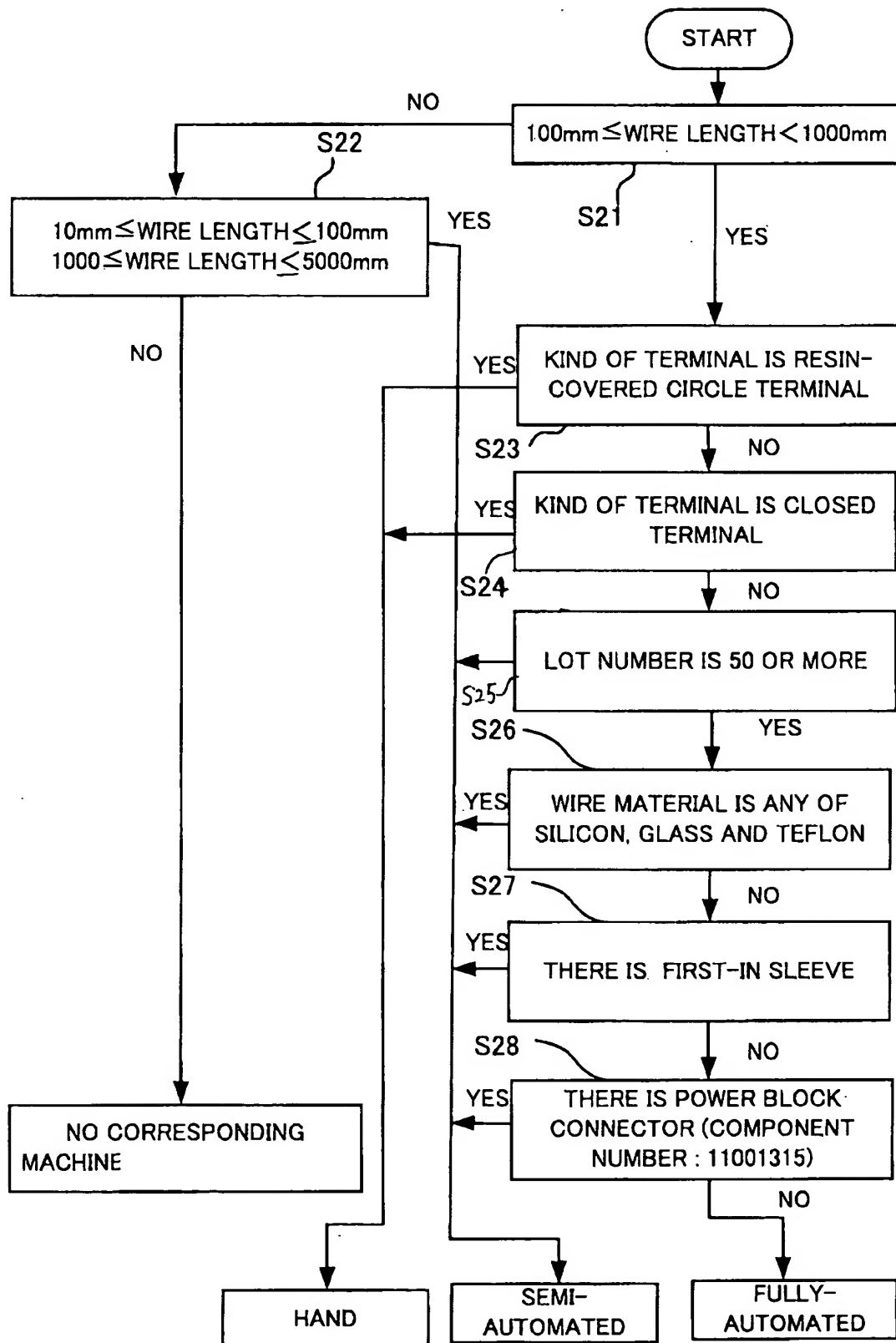
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FIG. 29



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FIG. 30



# 31/38 FIG. 31

	C. C				
	HAND		SEMI-AUTO		
	CLOSED TERMINAL	RESIN- COVERED TERMINAL	40 ≤ L < 45 5000 ≤ L < 9900	MICRO- INLET FUSE	SLEEVE
SAIDC					
FULLY-AUTOMATED CUTTING		○	○	○	○
MANUAL C.C					
SEPARATED TERMINAL C.C		○			
CONTINUOUS TERMINAL C.C			○		○
FULLY AUTOMATED -DUAL TERMINAL C.C	○				
FADTDC					
FADTDC(SIMPLE)					
FADTDC(MULTI)					
FADTDC(COPPER FOIL SHIELD)					
WIRING -PREPARATION WORKS					
SOLDERING				○	
INSULATION SLEEVE INSERTION					○
WIRE MARK ADHERING	○	○	○		
TERMINAL INSERTING	○	○	○		○
WIRING	○	○	○	○	
SINGLE CN INSERTION INTO HOUSING			○		○
WIRING-RELATED WORKS					
TERMINAL INSERTION INTO WIRES			○		○
BIND BUNDLING		○	○	○	○
TAPING BUNDLING		○	○	○	○
TUBE ATTACHING		○	○	○	○
THERMAL CONTRACTION TUBE ATTACHING		○	○	○	○
SPIRAL LAP BUNDLING		○	○	○	○
RELAY CONNECTOR ATTACHING			○		
SURGE KILLER ATTACHING		○	○		○
CORE ATTACHING		○	○	○	○
BRACKET ATTACHING		○	○	○	○
CONTINUITY CHECK	○	○	○	○	○
APPEARANCE CHECK	○	○	○	○	○

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FIG. 32

[illegible]



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F I G. 33  
YELLOW RED

COMPONENT NUMBER		SUFFIX		COMPONENT NAME		▲PRIOR COMPONENT	
CRIMP-CONNECTING (C.C)		INSULATION-DISPLACEMENT-CRIMPING(IDC)		WIRING - PREPARATION WORKS/WIRING		▼NEXT COMPONENT	
WIRING-RELATED WORKS		WIRING-RELATED WORKS		CONINUITY CHECK/		RETURN	
				APPEARANCE CHECK		CANCEL	
						HELP	
						PROCESS GUIDE	
						<NAVIGATOR>	
PROCESS STEP		PARAMETER				FULLY AUTO...	
WIRING-TERMINAL INSERTION		QT.OF TERMINALS				TERMINAL INS...	
INTO WIRES						YELLOW	
BIND BUNDLING		KIND		QT. OF POINTS			
		CLOSED TERMINAL CORE CROSS					
		OTHERS(GENERAL)					
TAPING BUNDLING							
		WIRES		LENGTH		BRANCHES/TERMINALS	
		~3				TAPING	
		4~11					
		11~					
TUBE ATTACHING		TUBE LENGTH		QT. OF POINTS			
THER. CONTRACTION		KIND		TUBE LENGTH			
TUBE ATTACHING		SILICON					
		OTHERS					
SPIRAL LAP		WIRE LENGTH		BRANCHES/POINTS			
RELAY CNN.		QT. OF POINTS		SURGE KILLER		QT. OF POINTS	
ATTACHING				ATTACHING			
CIRCLE CORE		CORES		WIRES/WINDINGS		SPLIT CORES	
ATTACHING				ATTACHING		WINDINGS	
BRACKETE		QT. OF BRACKETS		QT. OF SCREWS			
ATTACHING							
RED						RED	
CONTINUITY/APPEARANCE CHECK		QT. OF CN		QT. OF TERMINALS		CONTINUITY CHECK	
						APPEARANCE CHECK	
						YELLOW	

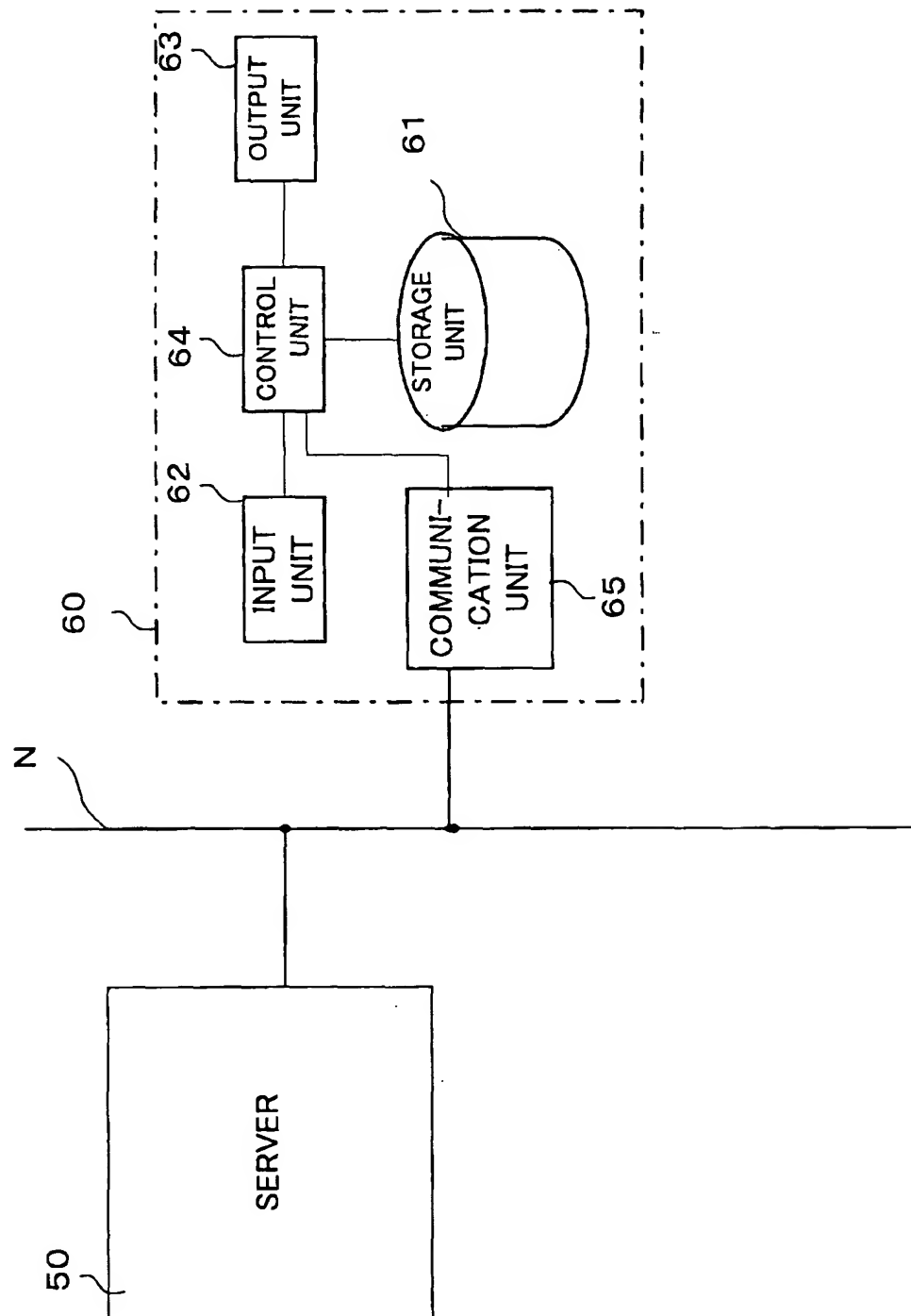
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FIG. 34

PROCESS STEP	FADTCC	CONTINUOUS TERMINAL CC	SEPARATE TERMINAL CC	FADTCC (MULTI)	FADTCC (COPPER FOIL SHIELD)	FADT(BC (SIMPLEI)
ELECTRICITY DEMAND RATIO						
LOGICAL AMOUNT OF CONSUMED ELECTRICITY						

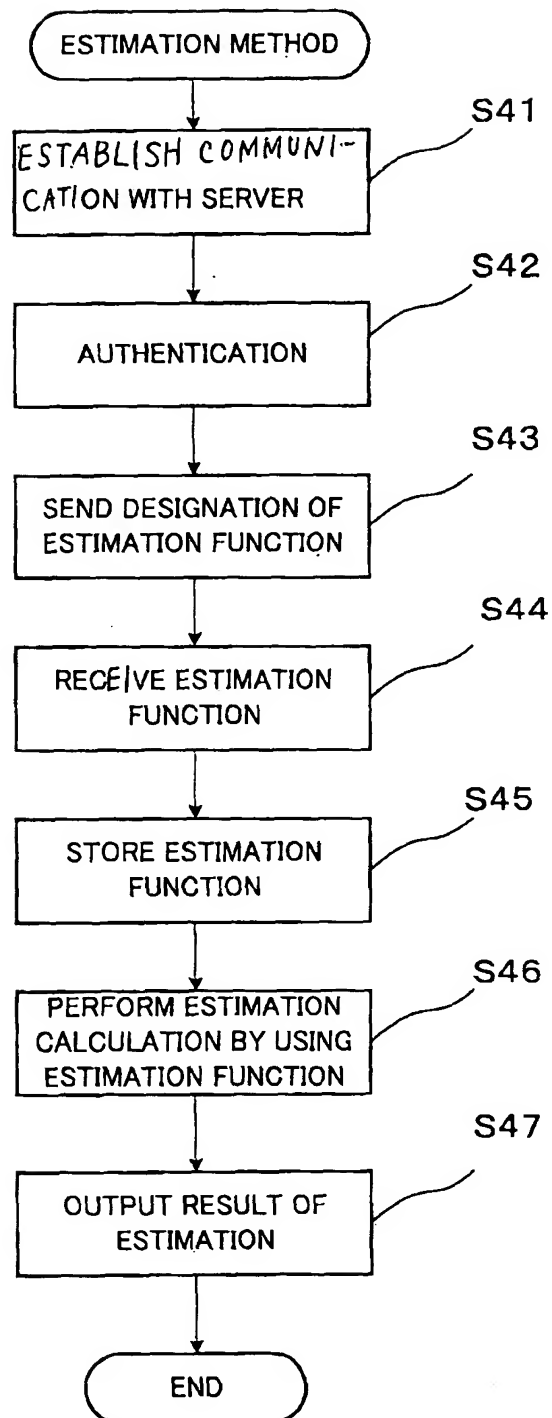
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FIG. 35



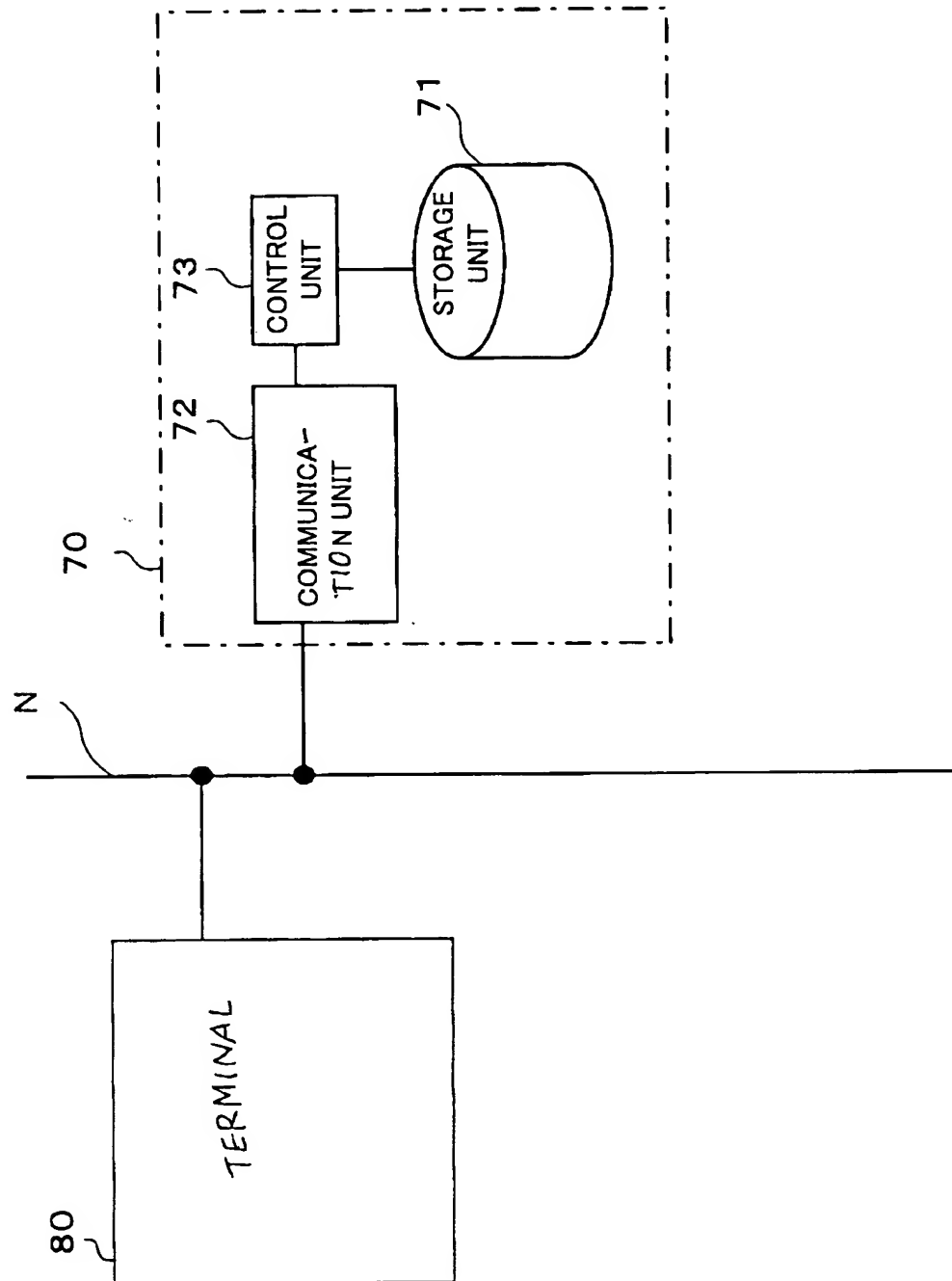
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FIG. 36



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FIG. 37



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FIG. 38

